HW

November 24, 2004

Date

DV 2 9 2004							
(to be used for all correspondence after initial filing)		Application No.	10/633,160				
		Filing Date	July 31, 2003				
			First Named Inventor  Art Unit	Jae-Hyun Seo			
			Examiner Name	***			
Total Number of Pages i	in This Submission	n 8	Attorney Docket Number 51876P379				
310/013/5							
	ENCLOS		k all that apply)	After Allowance Communication			
Fee Transmittal Form		Drawing(s)		to Group			
Fee Attached		Licensing-re	elated Papers	Appeal Communication to Board of Appeals and Interferences			
Amendment / Response	•	Petition		Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)			
After Final Affidavits/declara	ation(s)	Petition to C Provisional	Convert a Application	Proprietary Information			
Extension of Time Request Power of At Change of C			ttorney, Revocation Correspondence Address	Status Letter			
Express Abandonment I	Express Abandonment Request Terminal D			Other Enclosure(s) (please identify below):			
Information Disclosure Statement Request for			Refund	Two (2) Non-U.S. References; and			
PTO/SB/08 CD, Number			er of CD(s)	Return Postcard			
Certified Copy of Priorit Document(s)	ry						
Response to Missing Pa Incomplete Application	arts/	Remarks	1				
Basic Filing	Fee						
Declaration/							
Response to Mis Parts under 37 C 1.52 or 1.53	ssing CFR						
	SIGNATURE	OF APPLICA	NT, ATTORNEY, OR AG	ENT			
Firm Er	ic S. Hyman,	Reg. No. 30,	,139				
or Individual name BI	LAKELY. S	OKOLÓFE	TAYLOR & ZAFA	AAN LLP			
Signature	- ·· - , •	68					
Date No	ovember 24,	2004					
	CERTIFIC	CATE OF MAIL	ING/TRANSMISSION				

Signature

OIPE 2 3 2004 3

## FEETRANSMITTAL

Effective 10/01/2004. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT

0.00

(\$)

Complete if Known

Application Number 10/633,160

Filing Date July 31, 2003

First Named Inventor Jae-Hyun Seo

Examiner Name

Art Unit

Attorney Docket No. 51876P379

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)							
Charle Conditional Money Cotton Charles		DDITIO	NAL	FEES				
Clear Clear card Cluder Course Clear	Large	Entity	Sma	II Entity	,			
Deposit Account	Fee	Fee	Fee	Fee	<u>-</u>			
Deposit Account Number 02-2666	Code	(\$)	Code	(\$)	Fee	e Description		FeePaid
Number 02-2000		130	2051	65 26	Surcharge - late filing			
Deposit Account District Colorle Co. Tourism 9, 7,5 cm LLD	1052	50	2052	25	Surcharge - late provis cover sheet.	sional filling tee or		
Account Name Blakely, Sokoloff, Taylor & Zafman LLP		130	2053	130	Non-English specificat	ion		
The Commissioner is authorized to: ( check all that apply)	1812	2,520	1812	2,520	For filing a request for		ation	
Charge fee(s) indicated below Credit any overpayments	1804	920 •	1804	920	<ul> <li>Requesting publication Examiner action</li> </ul>	n of SIR pnor to		
Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.	1805	1,840 *	1805	1,840	* Requesting publication	n of SIR after		
Charge fee(s) indicated below, except for the filing fee					Examiner action			
to the above-identified deposit account	1251	110	2251	55	Extension for reply wit			
FEE CALCULATION	1252	430	2252	215	Extension for reply with			
1. BASIC FILING FEE	1253	980	2253	490	Extension for reply wit			
Large Entity Small Entity  Fee Fee Fee Fee Fee Description FeePail	1254	1,530	2254	765	Extension for reply wit			
Fee Fee Fee Fee Fee Description Fee Pad  Code (\$) Code (\$)	1255	2,080	2255	1,040	Extension for reply wit	ının tittin montin		
1001 790 2001 395 Utility filing fee	1404	340	2401	170	Notice of Appeal			<u> </u>
1002 350 2002 175 Design filing fee	1402	340	2402	170	Filing a brief in suppor			<u> </u>
1003 550 2003 275 Plant filing fee	1403	300	2403	150	Request for oral hearing	-		<u> </u>
1004 790 2004 395 Reissue filing fee	1451	1,510	2451	1,510	Petition to institute a p	•	ng	
1005 160 2005 80 Provisional filing fee	1452	110 1,370	2452	55 685	Petition to revive - una Petition to revive - uni			I
SUBTOTAL (1) (\$)	1453	1,370	2453 2501	685	Utility issue fee (or rei			
2 EVIDA OLAIM EEEC	1501 1502	490	2502	245	Design issue fee	0000)		
2. EXTRA CLAIM FEES Extra Fee from Claims below Fee Paid	1503	660	2503	330	Plant issue fee			
Total Claims 8 20 0 x 9.00 = \$0.00	1460	130	2460	130	Petitions to the Comm	nissioner		
Independent 2 3 = 0 x 44.00 = \$0.00	1807	50	1807	50	Prosessing fee under	37 CFR 1.17(q)		
Multiple Dependent =	1806	180	1806	180	Submission of Inform	ation Disclosure St	mt	
Large Entity   Small Entity	8021	40	8021	40	Recording each pater	t assignment per		
Fee Fee Fee Fee Description	1				property (times numb			
Code (\$)	1809	790	1809	395	Filing a submission aft (37 CFR § 1.129(a))	ter final rejection		
1202	1810	790	2810	395	For each additional in	vention to be		I
1203 300 2203 150 Multiple Dependent claim, if not paid					examined (37 CFR § 1	1.129(b))		
1204 88 2204 44 **Reissue independent claims over original	1801	790	2801	395	Request for Continued	Examination (RCE	=)	
patent	1802	900	1802	900	Request for expedited of a design application			
1205 18 2205 9 **Reissue claims in excess of 20 and over original patent	Other fe	e (specify)						<u> </u>
SUBTOTAL (2) (\$) 0.00	1	- ()						
**or number previously paid, if greater, For Reissues, see below	* Reduce	d by Basic F	ling Fee	Paid	:	SUBTOTAL (3)	(\$)	
	<u> </u>				<u> </u>			=
SUBMITTED BY	1 0	égistratio	in No				olete (if applica	
Name (Print/Type) Eric S. Hyman		ttorney/Age		;	30,139	Telephone	(310) 20	7-3800
Signatura	/					Data	11/24	1/04



## FEETRANSMITTAL

Effective 10/01/2004. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT

(\$)

0.00

Complete if Known

Application Number 10/633,160

Filing Date July 31, 2003

First Named Inventor Jae-Hyun Seo

Examiner Name

Art Unit

Attorney Docket No. 51876P379

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)							
Check Credit card Money Other None		ODITIO	NAL	FEES	<b>;</b>			
Deposit Account	Large	Entity	Sma	II Entity	<u>′</u>			
Deposit	Fee Code	Fee (\$)	Fee Code	Fee (\$)	 Fee	Description		FeePaid
Account Number 02-2666	1051	130	2051	65	Surcharge - late filing f	•		
Deposit	1052	50	2052	25	Surcharge - late provis cover sheet	ional filing fee or		
Account Name Blakely, Sokoloff, Taylor & Zafman LLP	2053	130	2053	130	Non-English specification	on		
The Commissioner is authorized to: ( check all that apply)	1812	2,520	1812	2,520	For filing a request for	•	ation	
Charge fee(s) indicated below Credit any overpayments	1804	920 *	1804	920	<ul> <li>Requesting publication Examiner action</li> </ul>	of SIK phor to		
Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.	1805	1,840 *	1805	1,840	* Requesting publication Examiner action	of SIR after		
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account	1251	110	2251	55	Extension for reply with	nin first month		<u> </u>
FEE CALCULATION	1252	430	2252	215	Extension for reply with	in second month		
1. BASIC FILING FEE	1253	980	2253	490	Extension for reply with	nin third month		
Large Entity Small Entity	1254	1,530	2254	765	Extension for reply with			
Fee Fee Fee Fee Fee Description Fee Paid  Code (\$) Code (\$)	1255	2,080	2255	1,040	Extension for reply with	nin fifth month		
1001 790 2001 395 Utility filing fee	1404	340 340	2401	170 170	Notice of Appeal .  Filing a brief in support	of an anneal		
1002 350 2002 175 Design filing fee	1402 1403	300	2403	150	Request for oral hearing			
1003 550 2003 275 Plant filing fee 1004 790 2004 395 Reissue filing fee	1451	1,510	2451	1,510	Petition to institute a pr	_	ng	
1005 160 2005 80 Provisional filing fee	1452	110	2452	55	Petition to revive - una	voidable		
SUBTOTAL (1) (\$)	1453	1,370	2453	685	Petition to revive - unin	ntentional		
	1501	1,370	2501	685	Utility issue fee (or reis	ssue)		
2. EXTRA CLAIM FEES Extra Fee from Claims below FeePaid	1502 1503	490 660	2502	245 330	Design issue fee Plant issue fee			
Total Claims 8 20 = 0 x 9.00 = \$0.00	1460	130	2460	130	Petitions to the Comm	issioner		
Independent 2 · 3 = 0 x 44.00 = \$0.00	1807	50	1807	50	Prosessing fee under 3	37 CFR 1.17(q)		
Multiple Dependent	1806	180	1806	180	Submission of Informa	ition Disclosure St	imt	
Large Entity   Small Entity	8021	40	8021	40	Recording each patent property (times number			
Fee Fee Fee Fee Fee Description.  Code (\$)	1809	790	1809	395	Filing a submission afto (37 CFR § 1.129(a))	er final rejection		
1202 18 2202 9 Claims in excess of 20 1201 88 2201 44 Independent claims in excess of 3	1810	790	2810	395	For each additional invexamined (37 CFR § 1	ention to be .129(b))		
1203 300 2203 150 Multiple Dependent claim, if not paid  1204 88 2204 44 "Reissue independent claims over original	1801	790	2801	395	Request for Continued	Examination (RCE	≣)	<u> </u>
1204 88 2204 44 Reissue independent claims over original patent	1802	900	1802	900	Request for expedited of a design application	examination		\
1205 18 2205 9 **Reissue claims in excess of 20 and over original patent	Other fo	e (specify)	)					
SUBTOTAL (2) (S) 0.00	• Posture	ed by Basic I	Filing Eco	Paid		CHREATAL (2)	(\$)	
or number previously paid, if greater, For Reissues, see below	REGUCE	o uy udait i	any rec			SUBTOTAL (3)	(3)	
SUBMITTED BY		- الاستامات الماكن	a M=			Comp	olete (if applica	•
Name (Print/Type) Eric S. Hyman	J.	égistration ttorney/Ag	on IVO. ent)		30,139	Telephone	(310) 20	7-3800
Signature						Date	11/2	4/04

Docket No.: 51876P379

E UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

JAE-HYUN SEO, ET AL.

Application No.: 10/633,160

Filed: July 31, 2003

For: Digital Broadcasting Service Receiver For

Improving Reception Ability By Switched

**Beam-Forming** 

Art Group:

Examiner:

## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a final Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

It is hereby stated that no item of information contained in the Information Disclosure Statement was cited in a patent office in a counterpart application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual associated with the filing or prosecution of the subject application more than three months prior to the filing of the Information Disclosure Statement.

-1- 51876P379

The references were cited in a Search Report dated August 25, 2004 (copy enclosed herewith) in a counterpart Korean application, which was forwarded to Applicant's Representative in a communication dated August 26, 2004.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

Blakely Sopoloff, Taylor & Zafman LLP Eric S. Hyman, Reg. No. 30,139

12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025 Telephone: (310) 207-3800

Date: November 24, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

-2-51876P379

	NOV 2 9 20	<b>(5)</b>						
Substitute for the 1449A/PTO DISCLOSURE				Complete if Known				
				Application Number	10/633,160			
			SURE	Filing Date	July 31, 2003			
STATEMENT BY APPLICANT				First Named Inventor	Jae-Hyun Seo			
(use as many sheets as necessary)				Art Unit				
	1030 us many snee			Examiner Name				
Sheet	1	of	1	Attorney Docket Number	51876P379			

U.S. PATENT DOCUMENTS						
Examiner Initals*	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
1		US-				

	FOREIGN PATENT DOCUMENTS							
Examiner Cite		Foreign Patent Document			Pages, Columns, Lines,			
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵		
		PCT WO 01/19075 A2	03-15-2001	Thomson Licensing S.A.				
		KR 1020020037965 A	05-23-2002	Korea Electronics & amp;				
						<u> </u>		
<u> </u>			W 1					
	_							
						l		

Examiner	Date	
Signature	Considere	d
_	1	

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www uspto gov or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the senal number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.